

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference A3232.WO218	FOR FURTHER ACTION		see Form PCT/ISA/220 as well as, where applicable, item 5 below.
International application No. PCT/IB2005/000480	International filing date (day/month/year) 18/02/2005	(Earliest) Priority Date (day/month/year) 19/02/2004	
Applicant AZIONARIA COSTRUZIONI MACCHINE AUTOMATICHE ...			

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 4 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. ☐ With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2. ☐ **Certain claims were found unsearchable** (See Box II).

3. ☐ **Unity of invention is lacking** (see Box III).

4. With regard to the **title**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regard to the **drawings**,

a. the figure of the **drawings** to be published with the abstract is Figure No. 2

☐ as suggested by the applicant.

☒ as selected by this Authority, because the applicant failed to suggest a figure.

☐ as selected by this Authority, because this figure better characterizes the invention.

b. ☐ none of the figures is to be published with the abstract.

INTERNATIONAL SEARCH REPORT

International Application No

PCT/IB2005/000480

A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 B65D5/36 B65D5/66

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
 IPC 7 B65D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)
 EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2 594 394 A (CASSELMAN ROBERT C ET AL) 29 April 1952 (1952-04-29) the whole document	1-15
A	EP 0 844 187 A (SMURFIT-SOCAR) 27 May 1998 (1998-05-27) the whole document	1-15
A	EP 0 872 426 A (SMURFIT-SOCAR) 21 October 1998 (1998-10-21) the whole document	1-15
A	US 2 631 772 A (HIERSTEINER WALTER) 17 March 1953 (1953-03-17) the whole document	1-15
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *G* document member of the same patent family

Date of the actual completion of the international search

31 May 2005

Date of mailing of the international search report

20/06/2005

Name and mailing address of the ISA
 European Patent Office, P.B. 5818 Patentlaan 2
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Authorized officer

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INTERNATIONAL SEARCH REPORT

International Application No

PCT/IB2005/000480

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	DE 201 13 474 U1 (FRAENKISCHE HARTPAPIERWAREN GMBH) 23 January 2003 (2003-01-23) the whole document -----	1-15

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/IB2005/000480

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 2594394	A	29-04-1952	NONE	
EP 0844187	A	27-05-1998	FR 2756260 A1	29-05-1998
			DE 69713029 D1	11-07-2002
			DE 69713029 T2	03-07-2003
			EP 0844187 A1	27-05-1998
			ES 2176646 T3	01-12-2002
			PT 844187 T	31-10-2002
EP 0872426	A	21-10-1998	EP 0872426 A1	21-10-1998
			DE 69724096 D1	18-09-2003
			DE 69724096 T2	19-05-2004
			ES 2203766 T3	16-04-2004
			PT 872426 T	31-12-2003
US 2631772	A	17-03-1953	NONE	
DE 20113474	U1	23-01-2003	NONE	

PATENT COOPERATION TREATY

From the
INTERNATIONAL SEARCHING AUTHORITY

PCT

To:

see form PCT/ISA/220

WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY
(PCT Rule 43bis.1)

Date of mailing
(day/month/year) see form PCT/ISA/210 (second sheet)

Applicant's or agent's file reference
see form PCT/ISA/220

FOR FURTHER ACTION
See paragraph 2 below

International application No.
PCT/B2005/000480

International filing date (day/month/year)
18.02.2005

Priority date (day/month/year)
19.02.2004

International Patent Classification (IPC) or both national classification and IPC
B65D5/36, B65D5/66

Applicant
AZIONARIA COSTRUZIONI MACCHINE AUTOMATICHE ...

1. This opinion contains indications relating to the following items:

- ☒ Box No. I Basis of the opinion
- ☐ Box No. II Priority
- ☐ Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- ☐ Box No. IV Lack of unity of invention
- ☒ Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- ☐ Box No. VI Certain documents cited
- ☐ Box No. VII Certain defects in the international application
- ☐ Box No. VIII Certain observations on the international application

2. **FURTHER ACTION**

If a demand for international preliminary examination is made, this opinion will usually be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA"). However, this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of three months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.

For further options, see Form PCT/ISA/220.

3. For further details, see notes to Form PCT/ISA/220.

Name and mailing address of the ISA:



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10/590173

IAP6 Rec'd PCT/PTO 18 AUG 2006

WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY

International application No.
PCT/IB2005/000480

Box No. I Basis of the opinion

1. With regard to the **language**, this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.
 - ☐ This opinion has been established on the basis of a translation from the original language into the following language , which is the language of a translation furnished for the purposes of international search (under Rules 12.3 and 23.1(b)).
2. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:
 - a. type of material:
 - ☐ a sequence listing
 - ☐ table(s) related to the sequence listing
 - b. format of material:
 - ☐ in written format
 - ☐ in computer readable form
 - c. time of filing/furnishing:
 - ☐ contained in the international application as filed.
 - ☐ filed together with the international application in computer readable form.
 - ☐ furnished subsequently to this Authority for the purposes of search.
3. ☐ In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4. Additional comments:

**WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY**

International application No.
PCT/IB2005/000480

Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Yes: Claims	1-15
	No: Claims	
Inventive step (IS)	Yes: Claims	1-15
	No: Claims	
Industrial applicability (IA)	Yes: Claims	1-15
	No: Claims	

2. Citations and explanations

see separate sheet

Re Item V.

- 1 Reference is made to the following documents:
D1 : US 2 594 394 A (CASSELMAN ROBERT C ET AL) 29 April 1952 (1952-04-29)
- 2 Document D1, which is considered to represent the most relevant state of the art, discloses a folded blank similar to the one defined in claim 1. From this, the subject-matter of independent claim 1 differs in that lateral panels (11, 10) overlap and cover the preferential fold line (25).
 - 2.1 The subject-matter of claim 1 is therefore novel (Article 33(2) PCT).
The problem to be solved by the present invention may be regarded as adding mechanical strength or rigidity to the fold line (25). Additionally, the present invention has the advantage of enabling a blank with non-rectilinear edges to be processed by a carton forming machine.
 - 2.2 The solution to this problem proposed in claim 1 of the present application is considered as involving an inventive step (Article 33(3) PCT) since none of the available prior art suggests such a blank folding arrangement.
 - 2.3 Claims 2-13 are dependent on claim 1 and as such also meet the requirements of the PCT with respect to novelty and inventive step.
- 3 Document D1, which is considered to represent the most relevant state of the art, discloses a method for preparing a folded blank similar to that defined in claim 14. From this, the subject-matter of independent claim 14 differs in that:
 - each lateral panel will overlap a corresponding preferential fold line;
 - fastening the second outer portion to the other part.
 - 3.1 The subject-matter of claim 14 is therefore novel (Article 33(2) PCT)
The problem to be solved by the present invention may be regarded as enabling a blank with non-rectilinear edges to be processed by a carton forming machine.
 - 3.2 The solution to this problem proposed in claim 14 of the present application is

**WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING
AUTHORITY (SEPARATE SHEET)**

International application No.

PCT/IB2005/000480

considered as involving an inventive step (Article 33(3) PCT) since none of the available prior art suggests such a blank folding arrangement.

- 3.3 Claim 15 is dependent on claim 14 and as such also meets the requirements of the PCT with respect to novelty and inventive step.